Agile Group Project

**By**

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Contents

[Introduction 3](#_Toc39955979)

[Project Members 4](#_Toc39955980)

[Gantt Chart 4](#_Toc39955981)

[Agile Methodology 5](#_Toc39955982)

[Pages and Mock-ups 6](#_Toc39955983)

[Home Page 6](#_Toc39955984)

Register [Page 6](#_Toc39955985)

[Testing 7](#_Toc39955986)

[Conclusion and future Work 7](#_Toc39955987)

# Introduction

The main aim of this project is the design of an agile / scrum mobile application. We have created an application for providing a way to share Book Rating by different user with the help of local storage using SQLite. SQLite database only contains a single file on the disk which makes them portable to any other database. Some organisations use more than one database in their applications, so it's really important the database to be portable or not. SQLite can be used for Native and Cross-platform applications as well.

In this application, there is an admin user which are capable to store information regarding books and their details. Admin also capable to view all registered user.

In this application, user is capable to view the details of book stored in app as well as rate them. There are different user present in app and all user are capable to share their point of view.

We use layering architecture to organize the code in proper manner so in future we can extend this app to on real time database with minor modification like database is stored at remote sites and delivered with the help of REST API.

In this app there are two main are one is admin which control the book information available in app and another is user which is capable to access information as well as rate them..

# Project Members

In order to increase the effectiveness of the application, four team members are participating in a different role that is given in the below table:

|  |  |
| --- | --- |
| Name of team Member | Role |
| Amitoj Singh | Team Leader and Application Tester |
| Japdeep Singh | Front End Developer |
| Amandeep Singh | Web Designer |
| Arminder Singh | Back End Developer (API) |
|  |  |

# Gantt Chart

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Stages** | **Activities** | **Duration**  **Week1-2** | | | | **Duration**  **Week-2-3** | | | | | **Duration**  **Week-3-4** | | | | |
| Project Planning | Research |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Start of Meeting |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Project Proposal and documentation |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Project Execution | Application Design |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| UI Design |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Coding |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Testing |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Final | Documentation and Report |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

# Agile Methodology

The Agile approach is used as an alternative to traditional methods in this project. This strategic approach is highly effective and pragmatic and tackles the changing needs of the technology.

In this project, our group used the agile / scrum approach. At the beginning, the team members define and fulfil all criteria. The team then decided to implement the special feature of the Good Read application in order to meet the needs of users.

Many improvements have been made to make this programme more user-friendly. After all enhancements have been made, the app is available for the use of users.

# Pages and Mock-ups

## Home Page

This is the main page of the application. On this page there is a login screen which demand user credential to access **Good Read App**. And according to credentials, next screen will appear.

## Register Page

With the help of this page user can register himself/herself to access the **Good Read App**.

# Testing

Because of the limited time available, we have just carried out the project usability check which can be found at [usability test.xlsx](usability%20test.xlsx)

# Conclusion and future Work

Briefly, this project is based on an agile scrum strategy in which the IT community developed the Android application Good Read App. Because of the short time, we just create a small application. Nonetheless, this framework can be further enhanced, and additional features can be introduced, such as book database is available at live server and provide a centralized manner to control the app at different devices.